

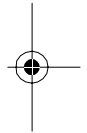
Cat. No. 23-226

OWNER'S MANUAL

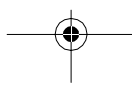
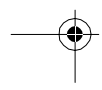
Please read before using this equipment.

FAST CHARGER

For Nickel-Cadmium Racing Battery Packs



Radio Shack



FEATURES

Your Radio Shack Fast Charger is perfect for charging your remote-controlled racing car battery packs. It can fully charge a 4.8-volt, 7.2-volt, or 9.6-volt nickel-cadmium battery pack in as quickly as one hour! (High-capacity 7.2-volt, 1700 mAh and 9.6-volt, 950 mAh battery packs require 1½–2 hours to fully charge.)

Its features include:



Automatic Battery Type Selection — automatically selects the battery type (4.8-, 7.2-, or 9.6-volt) when you snap the battery into the charger's battery compartment, for foolproof charging.

Charge Indicator — lights when the battery pack is charging, automatically turns off when the battery pack finishes charging, and flashes when the battery pack fails to charge.

Short Circuit Protection — prevents damage if the output connector is accidentally shorted. The red CHARGE indicator flashes when a short circuit is detected.

Safety Guard Protection Timer — prevents damage to the battery pack if the charging time is out of limit.

Warning: To prevent fire or shock hazard, do not expose this charger to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the charger's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the charger's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this charger.

Not recommended for outdoor use.

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IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS!

DANGER: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

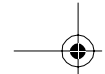
This manual contains important safety and operating instructions for this battery charger. Before you use the battery charger, read all the instructions and cautionary markings in this manual and on the battery charger, the battery, and the product that uses the battery.

Warning: To reduce the risk of injury:

- Charge only nickel-cadmium rechargeable batteries. Other types of batteries could burst, causing personal injury and damage.
- Unplug the charger from the outlet before attempting any maintenance or cleaning.
- Do not disassemble the charger; take it to a qualified service technician when service or repair is required. Improper reassembly may result in a risk of electric shock or fire.
- Do not use an attachment not recommended or sold by Radio Shack or this could result in a risk of fire, electric shock, or injury to persons.

Caution: To reduce the risk of damage:

- Do not expose the charger to rain or excessive moisture.
- Do not operate the charger if it has been dropped or damaged in any way. Take it to a qualified service technician for repair.
- Do not operate the charger with a damaged cord or plug — replace them immediately. To reduce the risk of damage to the electric plug and cord:
 - Make sure the cord is not located where it will be stepped on, tripped over, or otherwise subjected to damage or stress.
 - Disconnect the charger by pulling the cord's plug rather than the cord.



OPERATION

Always use a battery pack until it can no longer provide the necessary power.

Cautions:

- This charger works only with 4.8-volt, 7.2-volt and 9.6-volt nickel-cadmium battery packs. Charging other types of battery packs could damage the battery packs.
- Be sure the battery pack is rated at 4.8 V, 7.2 V, or 9.6 V.
- Avoid charging fully-charged battery packs. Doing so can damage the battery pack or cause it to lose some of its storage capacity.
- Charge battery packs only at room temperature (65-80°F). Charging battery packs in hot areas can permanently reduce the battery pack's power capacity.
- To protect battery packs, allow them to cool for 20 minutes before recharging them.
- Charge only one battery pack at a time.

Follow these steps to charge a battery pack.

1. Slide the battery connector of the battery pack you want to charge into the **CHARGING JACK**.

(illus)

Warning: Connect or disconnect the battery plug only when the AC cord is disconnected. Otherwise, arcing and burning might result.

Notes:

- If the connector does not fit, turn it over and try again. Do not force it.
- If you want to charge a 4.8 volt nickel-cadmium battery pack, plug the small end of the supplied adapter cord fully into the battery pack's connector. Then plug the adapter cord's large end fully into the **CHARGING JACK**.

(illus)

2. Insert the battery pack into the compartment in the battery charger.

(illus)

Caution: Be sure to insert the battery pack into the upper side of the compartment first. Then secure the battery pack in place so it pushes down the applicable voltage selector sensors and the two latches at the lower side of the compartment.

3. Plug the AC cord into a standard AC outlet.

(illus)

Notes:

- After 7 seconds, the charger automatically selects the appropriate charging current.
- The CHARGE indicator lights when the battery pack is charging, automatically turns off when the battery pack finishes charging, and flashes when the battery pack fails to charge.

- If the battery pack you want to charge is a new one or has not been used for more than 3 months, leave it in the charger for 24 hours, even if the CHARGE indicator turns off.
- If the CHARGE indicator flashes, check the battery connection.

4. When the CHARGE indicator turns off, unplug the charger's AC cord then disconnect the battery pack.

Notes:

- High-capacity 7.2-volt, 1700 mAh, and 9.6-volt, 950 mAh battery packs might require two charging cycles to fully charge.
- When you disconnect a 4.8-volt or 9.6-volt battery pack from the compartment, be sure to take out the lower part of the battery pack first.
- When you disconnect a 7.2-volt battery pack from the compartment, take out the upper part of the battery pack first.

SPECIFICATIONS

Charging Current @ 120V 60Hz:

Battery Pack 7.2V	1.5A ± 10%
Battery Pack 9.6V	0.8A ± 10%
Battery Pack 4.8V	0.8A ± 10%

Charging Current @ 120V ± 12.5% 60Hz:

Battery Pack 7.2V	1.5A ± 25%
Battery Pack 9.6V	0.8A ± 25%
Battery Pack 4.8V	0.8A ± 25%

Constant Trickle Charge Current (all battery types) 32 ± 7 mA

Safety Guard Protection Timer 70 minutes ± 5 minutes

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

RADIO SHACK LIMITED WARRANTY

This product is warranted against defects for 90 days from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Printed in Hong Kong